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OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/056,583

DATE: 02/19/2002  
 TIME: 11:07:51

Input Set : A:\HVD 17.APP  
 Output Set: N:\CRF3\02192002\J056583.raw

4 <110> APPLICANT: Presidents and Fellows of Harvard College  
 5 Strominger, Jack L.  
 6 Fridkis-Hareli, Masha  
 8 <120> TITLE OF INVENTION: THERAPEUTIC PEPTIDES FOR DEMYELINATING  
 9 CONDITIONS  
 11 <130> FILE REFERENCE: 24655-017  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/056,583  
 14 <141> CURRENT FILING DATE: 2002-01-24  
 16 <150> PRIOR APPLICATION NUMBER: 60/263,569  
 17 <151> PRIOR FILING DATE: 2001-01-24  
 19 <160> NUMBER OF SEQ ID NOS: 99  
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 15  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Homo sapiens  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Immunodominant peptide of MBP, recognized by  
 30 HLA-DR2 haplotype  
 32 <221> NAME/KEY: DOMAIN  
 33 <222> LOCATION: 85 - 99  
 35 <400> SEQUENCE: 1  
 36 Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg  
 37 1 5 10 15  
 40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 15  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Artificial Sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
 48 <400> SEQUENCE: 2  
 49 Ala Lys Lys Glu Tyr Ala Ala Ala Ala Ala Ala Ala Ala  
 50 1 5 10 15  
 53 <210> SEQ ID NO: 3  
 54 <211> LENGTH: 15  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Artificial Sequence  
 58 <220> FEATURE:  
 59 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
 61 <400> SEQUENCE: 3  
 62 Ala Lys Glu Glu Tyr Ala Ala Ala Ala Ala Ala Ala Ala  
 63 1 5 10 15  
 66 <210> SEQ ID NO: 4

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67 <211> LENGTH: 15  
68 <212> TYPE: PRT  
69 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
74 <400> SEQUENCE: 4  
75 Ala Lys Glu Ala Tyr Ala Ala Ala Ala Ala Ala Ala Ala Ala  
76 1 5 10 15  
79 <210> SEQ ID NO: 5  
80 <211> LENGTH: 15  
81 <212> TYPE: PRT  
82 <213> ORGANISM: Artificial Sequence  
84 <220> FEATURE:  
85 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
87 <400> SEQUENCE: 5  
88 Ala Glu Lys Glu Tyr Ala Ala Ala Ala Ala Ala Ala Ala Ala  
89 1 5 10 15  
92 <210> SEQ ID NO: 6  
93 <211> LENGTH: 15  
94 <212> TYPE: PRT  
95 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
98 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
100 <400> SEQUENCE: 6  
101 Glu Lys Lys Ala Tyr Ala Ala Ala Ala Ala Ala Ala Ala  
102 1 5 10 15  
105 <210> SEQ ID NO: 7  
106 <211> LENGTH: 15  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Artificial Sequence  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
113 <400> SEQUENCE: 7  
114 Lys Glu Glu Tyr Ala Ala Ala Ala Ala Ala Ala Ala  
115 1 5 10 15  
118 <210> SEQ ID NO: 8  
119 <211> LENGTH: 15  
120 <212> TYPE: PRT  
121 <213> ORGANISM: Artificial Sequence  
123 <220> FEATURE:  
124 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
126 <400> SEQUENCE: 8  
127 Ala Glu Lys Ala Tyr Ala Ala Ala Ala Ala Ala Ala  
128 1 5 10 15  
131 <210> SEQ ID NO: 9  
132 <211> LENGTH: 15  
133 <212> TYPE: PRT  
134 <213> ORGANISM: Artificial Sequence  
136 <220> FEATURE:

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137 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
139 <400> SEQUENCE: 9  
140 Glu Lys Ala Ala Tyr Ala Ala Ala Ala Ala Ala Ala Ala  
141 1 5 10 15  
144 <210> SEQ ID NO: 10  
145 <211> LENGTH: 15  
146 <212> TYPE: PRT  
147 <213> ORGANISM: Artificial Sequence  
149 <220> FEATURE:  
150 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
152 <400> SEQUENCE: 10  
153 Glu Glu Lys Ala Tyr Ala Ala Ala Ala Ala Ala Ala Ala  
154 1 5 10 15  
157 <210> SEQ ID NO: 11  
158 <211> LENGTH: 15  
159 <212> TYPE: PRT  
160 <213> ORGANISM: Artificial Sequence  
162 <220> FEATURE:  
163 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
165 <400> SEQUENCE: 11  
166 Ala Lys Glu Ala Ala Ala Ala Tyr Ala Ala Ala Ala Ala  
167 1 5 10 15  
170 <210> SEQ ID NO: 12  
171 <211> LENGTH: 15  
172 <212> TYPE: PRT  
173 <213> ORGANISM: Artificial Sequence  
175 <220> FEATURE:  
176 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
178 <400> SEQUENCE: 12  
179 Glu Lys Glu Ala Ala Ala Ala Tyr Ala Ala Ala Ala Ala  
180 1 5 10 15  
183 <210> SEQ ID NO: 13  
184 <211> LENGTH: 15  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Artificial Sequence  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
191 <400> SEQUENCE: 13  
192 Lys Glu Lys Ala Ala Ala Ala Tyr Ala Ala Ala Ala Ala  
193 1 5 10 15  
196 <210> SEQ ID NO: 14  
197 <211> LENGTH: 15  
198 <212> TYPE: PRT  
199 <213> ORGANISM: Artificial Sequence  
201 <220> FEATURE:  
202 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
204 <400> SEQUENCE: 14  
205 Ala Lys Ala Glu Ala Ala Ala Tyr Ala Ala Ala Ala Ala  
206 1 5 10 15

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209 <210> SEQ ID NO: 15  
210 <211> LENGTH: 15  
211 <212> TYPE: PRT  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
217 <400> SEQUENCE: 15  
218 Ala Glu Lys Ala Ala Ala Ala Tyr Ala Ala Ala Ala Ala Ala  
219 1 5 10 15  
222 <210> SEQ ID NO: 16  
223 <211> LENGTH: 15  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Artificial Sequence  
227 <220> FEATURE:  
228 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
230 <400> SEQUENCE: 16  
231 Ala Lys Lys Ala Ala Glu Ala Tyr Ala Ala Ala Ala Ala  
232 1 5 10 15  
235 <210> SEQ ID NO: 17  
236 <211> LENGTH: 15  
237 <212> TYPE: PRT  
238 <213> ORGANISM: Artificial Sequence  
240 <220> FEATURE:  
241 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
243 <400> SEQUENCE: 17  
244 Ala Lys Ala Ala Ala Ala Glu Tyr Ala Ala Ala Ala Ala  
245 1 5 10 15  
248 <210> SEQ ID NO: 18  
249 <211> LENGTH: 15  
250 <212> TYPE: PRT  
251 <213> ORGANISM: Artificial Sequence  
253 <220> FEATURE:  
254 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
256 <400> SEQUENCE: 18  
257 Ala Glu Lys Ala Tyr Ala Ala Tyr Ala Ala Ala Ala Ala  
258 1 5 10 15  
261 <210> SEQ ID NO: 19  
262 <211> LENGTH: 15  
263 <212> TYPE: PRT  
264 <213> ORGANISM: Artificial Sequence  
266 <220> FEATURE:  
267 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
269 <400> SEQUENCE: 19  
270 Ala Glu Glu Ala Tyr Lys Ala Tyr Ala Ala Ala Ala Ala  
271 1 5 10 15  
274 <210> SEQ ID NO: 20  
275 <211> LENGTH: 15  
276 <212> TYPE: PRT  
277 <213> ORGANISM: Artificial Sequence

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279 <220> FEATURE:  
280 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
282 <400> SEQUENCE: 20  
283 Ala Glu Lys Lys Tyr Ala Ala Tyr Ala Ala Ala Ala Ala Ala  
284 1 5 10 15  
287 <210> SEQ ID NO: 21  
288 <211> LENGTH: 15  
289 <212> TYPE: PRT  
290 <213> ORGANISM: Artificial Sequence  
292 <220> FEATURE:  
293 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
295 <400> SEQUENCE: 21  
296 Ala Ala Glu Lys Tyr Ala Ala Tyr Ala Ala Ala Ala Ala Ala  
297 1 5 10 15  
300 <210> SEQ ID NO: 22  
301 <211> LENGTH: 15  
302 <212> TYPE: PRT  
303 <213> ORGANISM: Artificial Sequence  
305 <220> FEATURE:  
306 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
308 <400> SEQUENCE: 22  
309 Ala Glu Glu Lys Tyr Ala Ala Tyr Ala Ala Ala Ala Ala Ala  
310 1 5 10 15  
313 <210> SEQ ID NO: 23  
314 <211> LENGTH: 15  
315 <212> TYPE: PRT  
316 <213> ORGANISM: Artificial Sequence  
318 <220> FEATURE:  
319 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
321 <400> SEQUENCE: 23  
322 Ala Lys Glu Ala Tyr Ala Ala Tyr Ala Ala Ala Ala Ala Ala  
323 1 5 10 15  
326 <210> SEQ ID NO: 24  
327 <211> LENGTH: 15  
328 <212> TYPE: PRT  
329 <213> ORGANISM: Artificial Sequence  
331 <220> FEATURE:  
332 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
334 <400> SEQUENCE: 24  
335 Ala Ala Lys Glu Tyr Ala Ala Tyr Ala Ala Ala Ala Ala Ala  
336 1 5 10 15  
339 <210> SEQ ID NO: 25  
340 <211> LENGTH: 15  
341 <212> TYPE: PRT  
342 <213> ORGANISM: Artificial Sequence  
344 <220> FEATURE:  
345 <223> OTHER INFORMATION: The peptide was designed and synthesized.  
347 <400> SEQUENCE: 25  
348 Ala Lys Ala Glu Tyr Ala Ala Tyr Ala Ala Ala Ala Ala

**VERIFICATION SUMMARY** DATE: 02/19/2002  
PATENT APPLICATION: US/10/056,583 TIME: 11:07:52

Input Set : A:\HVD 17.APP  
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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number